

BELZONA RESTORES OIL & GAS FLOAT CELL VESSEL

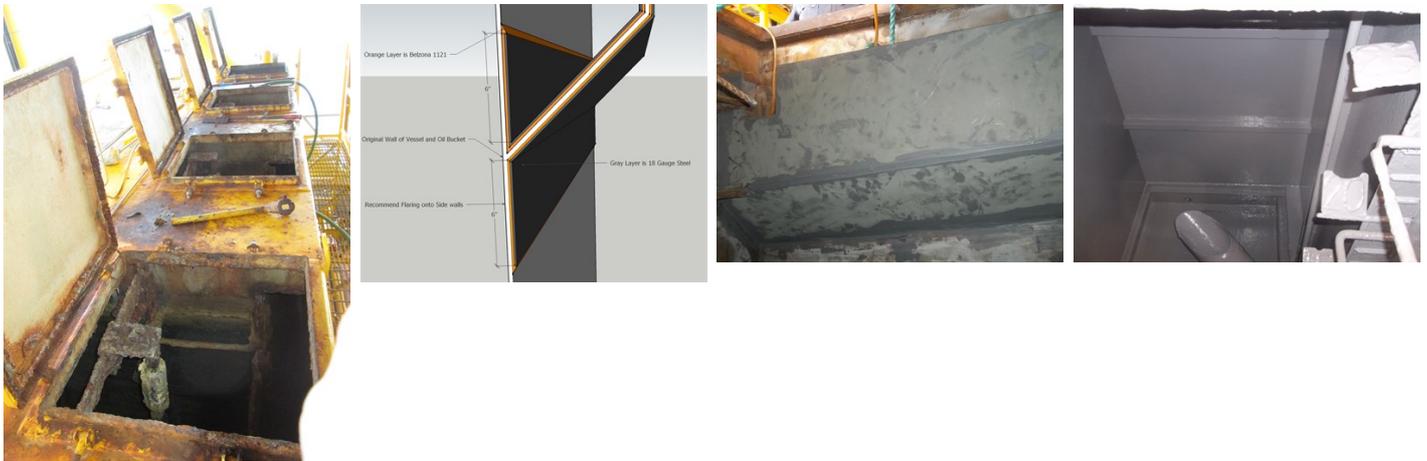
ID: 5667

Industry: Oil & Gas
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: * Belzona 1121 (Super XL-Metal) ,
* Belzona 5811 (Immersion Grade) ,

Customer Location: Gulf of Mexico, USA
Application Date: May 2015

Problem

The oil bucket which ran along the length of the vessel was developing frequent through-wall defects. These holes inhibited the float cell from properly separating produced water from oil & gas.



Photograph Descriptions

- * Float Cell before. Note oil bucket runs on right hand side of vessel . ,
- * Cold Plate Bonding illustration generated as part of proposal . ,
- * Cold Plate Bonding complete on a portion of the float cell . ,
- * Two coat system of Belzona 5811 installed as a corrosion barrier . ,

Application Situation

Float Cell Vessel on a deep-water oil & gas platform.

Application Method

The application was carried out in accordance with a modified Belzona Know-How System Leaflet TCC-1 and TCC-3. Belzona 1121 was used to cold-plate bond on both sides of thin-wall/through-wall damaged areas of the oil bucket, and Belzona 5811 was used to coat all internal surfaces for a corrosion barrier.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
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Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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Repair • Protect • Improve

Belzona Facts

The client initially asked for a short-term solution to plug holes in the oil bucket while a new float cell was fabricated. The new float cell was budgeted at US \$500,000 and would include shutting down the production for installation at an approximate cost of US \$1,000,000.00 in lost production per day. When offered a restoration of internal oil bucket through Belzona 1121 cold plate bonding (eliminated hot work), and a Belzona 5811 internal corrosion barrier, the client saw the many benefits and selected this route. The client's selected contractor installed the system in 1.5 weeks with a total cost of approximately US \$50,000, including Labor and Material, and no need to shut down the production. The increased safety of reducing hot work, the direct savings of US \$450,000, and the indirect savings in the millions, have shown this client the benefit of using Belzona to repair, protect, and improve.

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